

Exhibit 2 – FBI Surface Danger Zone Diagram

REAL ESTATE APPRAISAL AND RELATED STUDIES

FOR

FEDERAL BUREAU OF INVESTIGATION  
ROOM 6875, JEH F.B.I. BUILDING  
10TH & PENNSYLVANIA AVENUES, N.W.  
WASHINGTON, D.C. 20535

OF

FBI FIREARMS TRAINING FACILITY  
IN  
NORTH CHICAGO, ILLINOIS

AS OF

APRIL 25, 1986

BY

(P)



(P)



(BEST COPY)



FBI002103

**LIST OF EXHIBITS**

- Exhibit "A" - Engineering Report: "Assess the extent of Environmental Contamination and Consequences of the Proposed Disposal of the Rifle Range"
- Exhibit "B" - Portion of U.S. Government Navigation Chart, showing extent of danger zone in Lake Michigan.
- Exhibit "C" - Portion of Copy of National Rifle Association pamphlet: "High Power Rifle Ranges"
- Exhibit "D" - Map showing location of 65 acre Lake County property.
- Exhibit "E" - Map showing location of Vernon Hills Military Reservation.
- Exhibit "F" - Map showing location of Fox Valley Rifle Range, Inc.
- Exhibit "G" - Data on four representative rural acreage sales.
- Exhibit "H" - Brochure depicting existing and planned development of Waukegan lakefront.
- Exhibit "I" - Chamber of Commerce brochures giving county and area data.
- Exhibit "J" - Architectural floor plans, construction cross sections, and details.
- Exhibit "K" - Warranty Deed for Sale No. 1.
- Exhibit "L" - Sales depicted on Waukegan - Lake County Street Map and Directory.
- Exhibit "M" - List of contractors that furnished current cost data for this report.
- Exhibit "N" - Zoning Map and Zoning Description.
- Exhibit "O" - Experience and Qualifications of Leo R. Mayers, M.A.I.
- Exhibit "P" - Photographs of two possible sites for relocating firing range.
- Exhibit "Q" - Current list of schools taught at the FBI Range.
- Exhibit "R" - Additional aerial photographs of subject property and nearby areas.

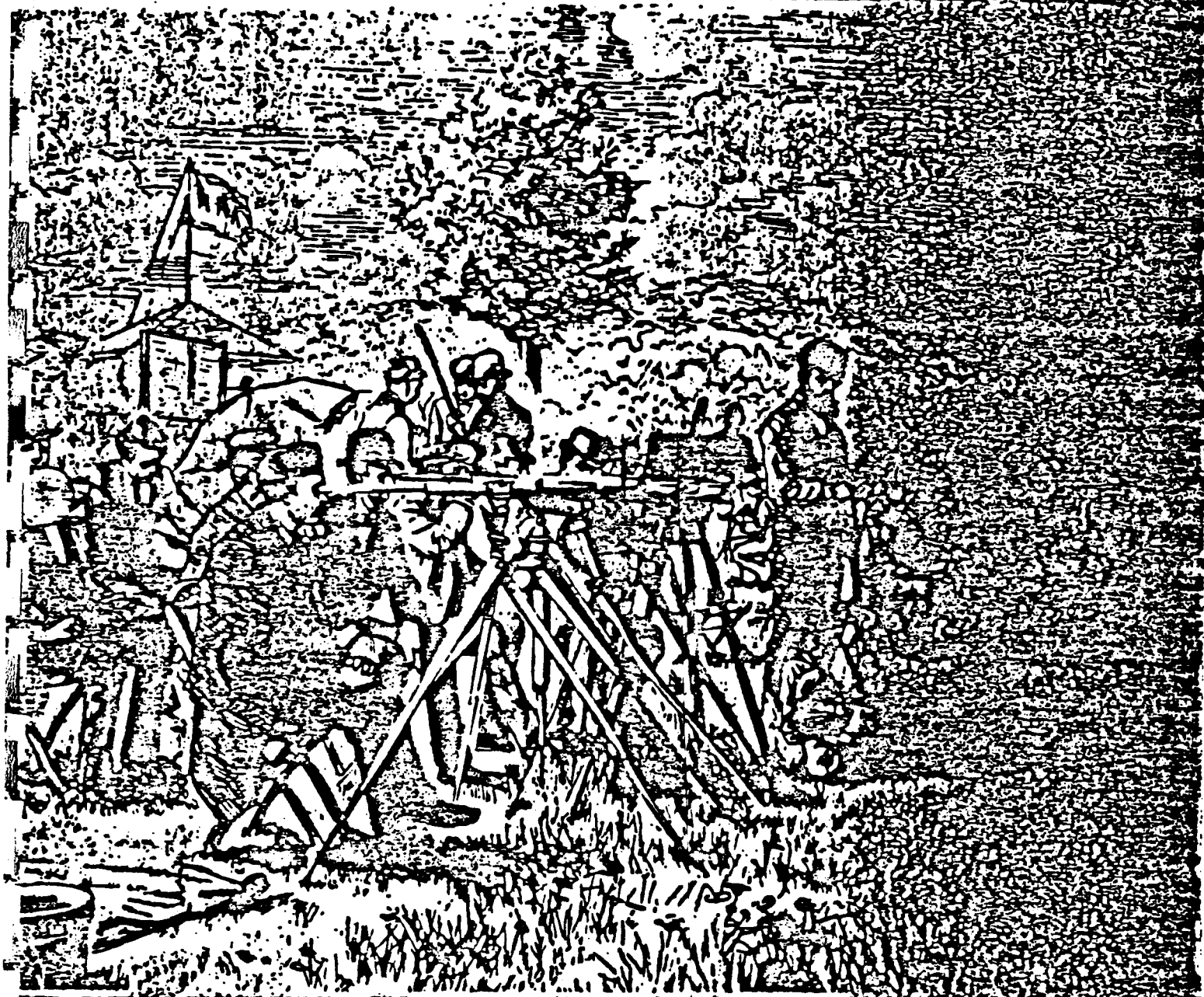
EXHIBIT "C"



**NATIONAL RIFLE ASSOCIATION**

**FIELD SERVICES DIVISION**

**HIGH POWER RIFLE RANGES**



Produced by the National Rifle Association of America, 1800 Rhode Island Ave., N.W., Washington, D.C. 20036.

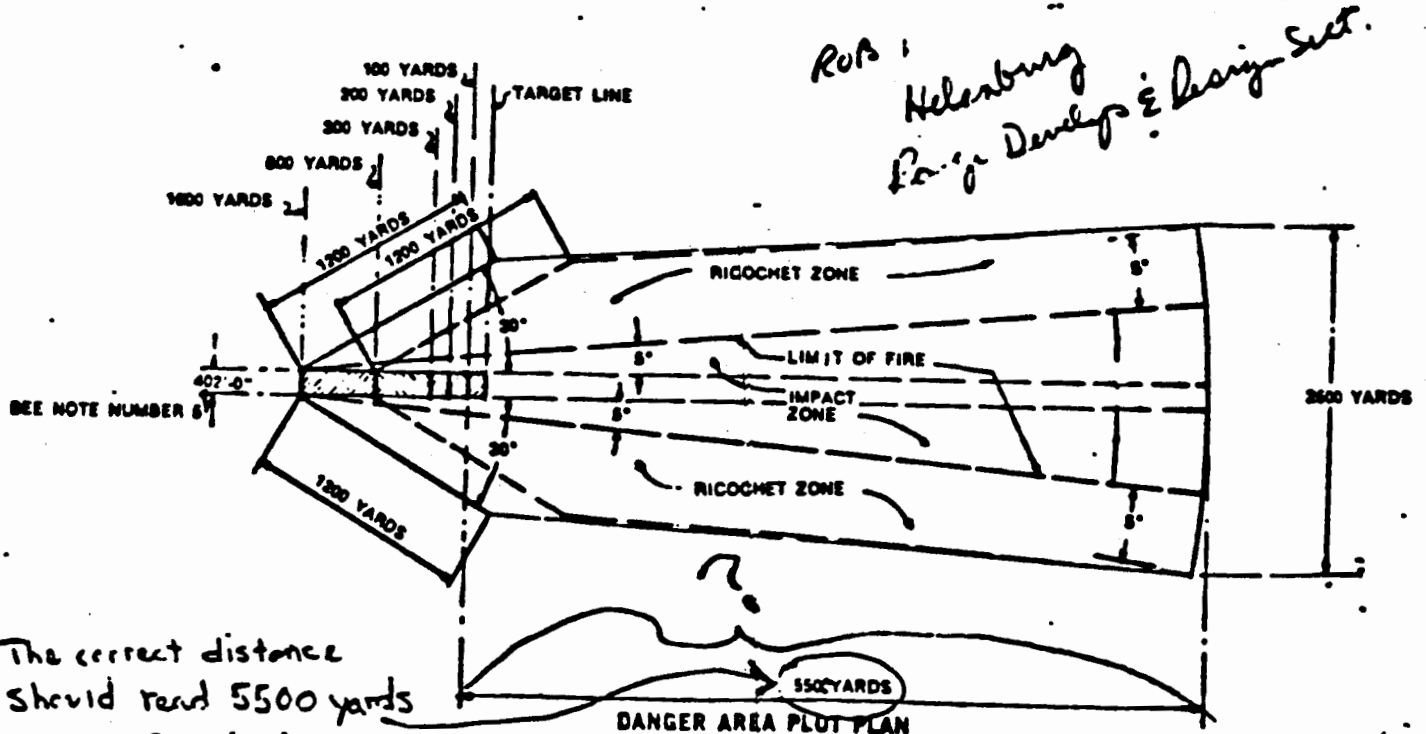
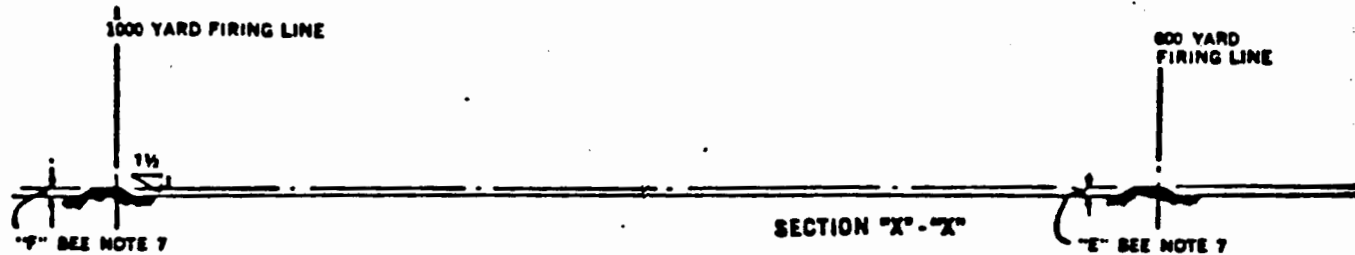
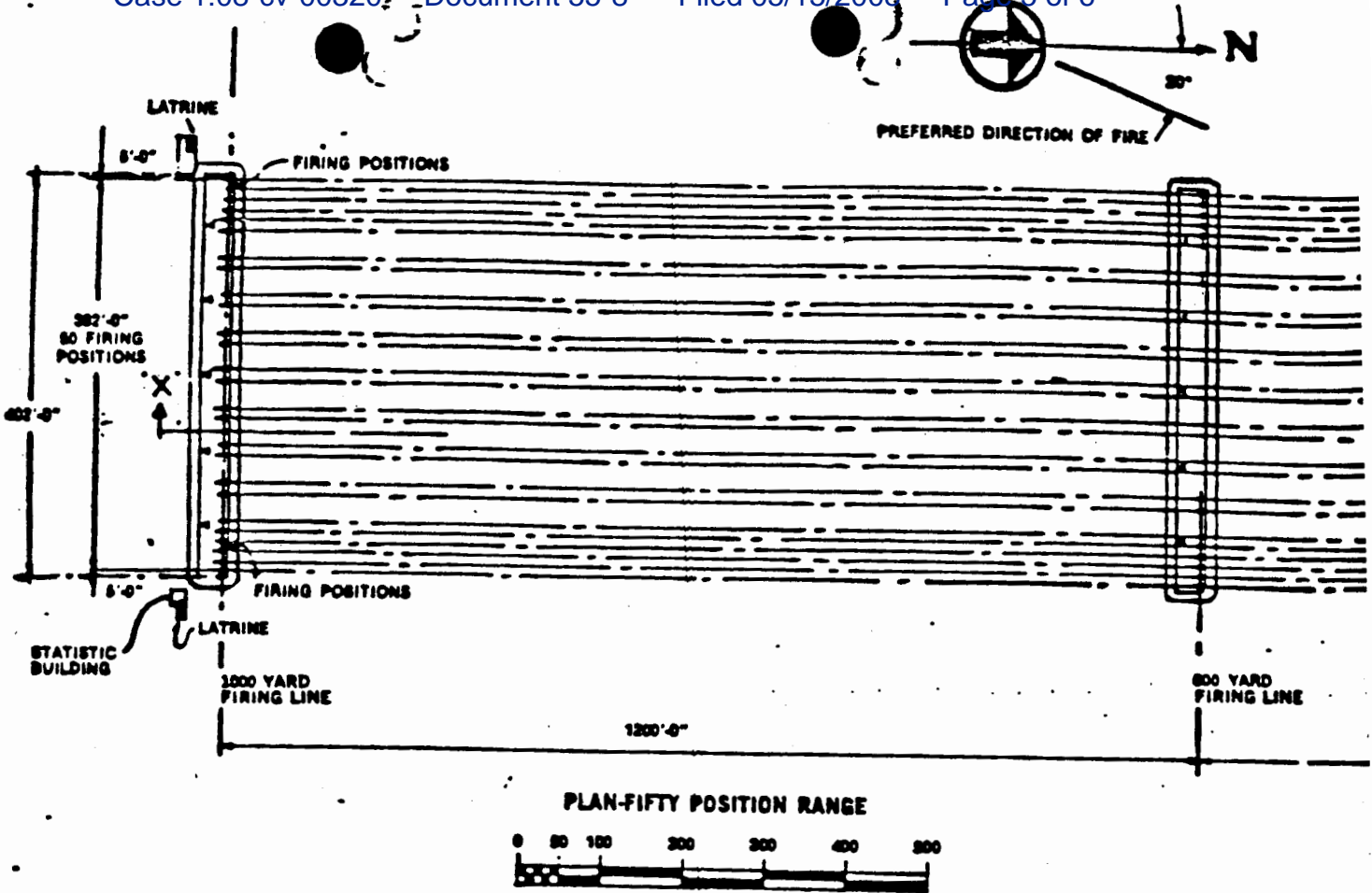
Up-to-date information and drawings on the building and operation of shooting ranges are but a few of the services and benefits enjoyed by NRA members.

Membership in the NRA is available to any reputable citizen of the United States upon nomination by a current member.

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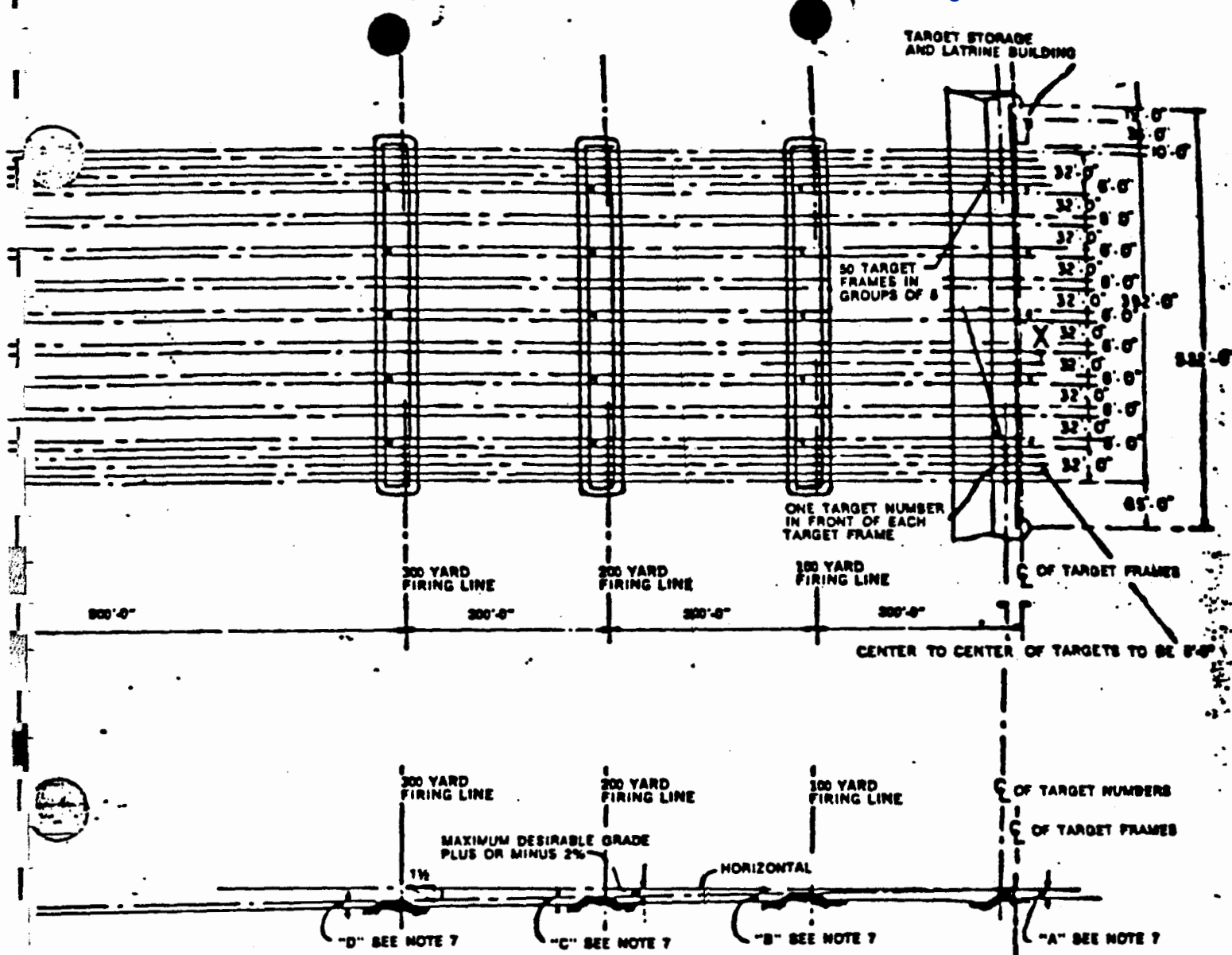
The correct distance should read 5500 yards per Mr. R. Helanburg of I.R.A. confirmed 5-1-86 by gkm

NO SCALE  
BASED ON CALIBER M72 MATCH AMMUNITION RICOCHET ZONE AS SHOWN IS CONSIDERED ADEQUATE FOR SUBSTANTIALLY LEVEL OPEN DANGER ZONES

(BEST COPY)

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### PROGRAMMING & MASTER PLANNING GUIDES

1. EACH FIRING POSITION TO PROVIDE VIEW OF TARGET NUMBER AND FREE FIELD OF FIRE FROM ALL POSITIONS (PHONE TO STANDING)
2. IN SELECTING AND USING SITES, AFR 50-13 AND CONTENTS OF THIS MANUAL WILL BE CONSULTED AND COMPLIED WITH.
3. PROVIDE PUBLIC ADDRESS SYSTEM WITH SUFFICIENT NUMBER OF SPEAKERS TO VERBALLY CONTROL RANGE.
4. THE TARGET STORAGE HOUSE, STATISTICAL BUILDING AND LATRINE BUILDINGS TO BE OF WOOD FRAME, MINIMUM CONSTRUCTION.
5. RANGE MAY BE BUILT IN INCREMENTS OF 5 POSITIONS.
6. RANGES WITH 5 TO 25 POSITIONS REQUIRE ONE LATRINE AT FIRING-POSITION END. RANGES WITH MORE THAN 25 POSITIONS REQUIRE TWO LATRINES AT FIRING POSITION END. OTHER STRUCTURES REQUIRED AS SHOWN REGARDLESS OF NUMBER OF POSITIONS.
7. DIMENSIONS "A", "B", "C", "D", "E", AND "F" WILL VARY WITH SITE CONDITIONS BUT MUST BE PLANNED TO MINIMIZE GRADING.
8. WHEN 100 AND 50-YARD FIRING POSITIONS ARE NOT FEASIBLE, DUE TO UNSUITABLE TERRAIN, 300-YARD POSITIONS MAY BE SUBSTITUTED.
9. THE NUMBER OF FIRING POSITIONS ON THE 100-YARD LINE MAY BE REDUCED IF IT MAY BE DESIRABLE TO HAVE FEWER FIRING POSITIONS ON THIS LINE THAN ON THE OTHER FIRING LINES.
10. AT INSTALLATIONS REQUIRING SMALL ARMS TRAINING WITH THE .30 CALIBER OR OTHER SERVICE RIFLE WILL REQUIRE A 100-YARD FIRING LINE SET AFR 50-8.
11. FOR CONSTRUCTION DETAILS OF TARGET BUTTS, REFER TO TEXT OF THIS MANUAL.

### UTILITY REQUIREMENTS

ELECTRICITY	NONE
WATER	NONE
SEWAGE	LATRINE
GAS	NONE
STEAM	NONE

### HEATING REQUIREMENT

NONE

### AREA FOR PROGRAMMING

GROSS AREA	500 SQ. FT.
STATISTICAL BUILDING	400
TARGET STORAGE HOUSE	200
LATRINES (240 x 30)	720

PROGRAMMING COST ESTIMATES WILL BE BASED ON A UNIT OF 5 POSITIONS. AREAS SHOWN ABOVE, IF REQUIRED, WILL BE INCLUDED AS SUPPORT ITEMS.

THIS DRAWING SUPERSEDES DEFINITIVE DRAWING NO. AD 84-01-01

AIR FORCE CONTRACT NO. 170-400-01

Drawn: \_\_\_\_\_ Modified: \_\_\_\_\_ Date: \_\_\_\_\_

DEPARTMENT OF THE AIR FORCE  
HEADQUARTERS UNITED STATES AIR FORCE  
VICTOR B. SPECTOR AND ASSOCIATES  
ARCHITECTS-ENGINEERS • FALLS CHURCH, VIRGINIA

RANGE, HIGH POWER RIFLE  
OUTDOOR  
(ON POSITION, OUTDOOR)

APPROVED: \_\_\_\_\_ AD 84-01-08

SCALE: AS SHOWN  
DATE: 20 DEC 83  
SHEET 1 OF 1

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